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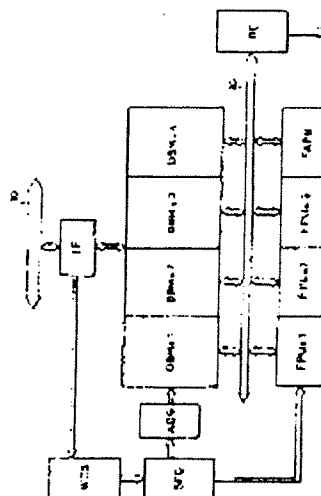
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(54) THREE-DIMENSIONAL SHADOW IMAGE FORMING PROCESSING DEVICE

(57)Abstract:

PURPOSE: To attain a highly speedy three-dimensional shadow image forming processing by executing a three-dimensional vector operation and a matrix operation with 3W4 floating point arithmetic units in parallel and in a pipeline way.

CONSTITUTION: Object shape data and a processing parameter used for image forming processing are stored into data memories DBM#1W#4. By floating point arithmetic units FPU#1W#3 and an arithmetic unit FAPU to combine a floating point computing element and an arithmetic and logic computing element in parallel, the three-dimensional vector operation and the matrix operation are executed in parallel and in a pipeline way. The prepared image data are written through a data collector DC to a display memory.



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